

POTENTIAL HAZARDOUS WASTE SITE  
PRELIMINARY ASSESSMENT

Summary Memorandum

Site ID: WA DO30785364  
County: Clark  
Priority Assessment: Low  
Backlog Red. Cat.:  
Date/Revised: 11/20/84

Name and Location:

Borden Chemical Inc.-Ink Division  
6115 N.E. 63rd St.  
Vancouver, WA 98661

Contact: T. Heaton  
Telephone: (614) 225-4860  
Site Status: ( ) Active (X) Inactive ( ) Unknown

Site Description/TSD Activities:

Facility was a mixer of label ink. Closed in 1980. Unknown how long they were in operation at this location. Washwater & some cooling water discharged through septic system.

Waste Types/Quantities/Characteristics:

Unknown waste types & quantities handled or discharged at this site.

Physical/Social Environment:

Facility was located in an industrial park NE of City of Vancouver. One park & one school, 1500 residents within one mile. Swampy area to NE of site indicates probable high seasonal water table.

Pollutant Mobilization/Pathways/Risk:

GW & soils contamination would be likely if any hazardous wastes were discharged at this facility. Perched shallow aquifer might be contaminated, but unlikely if deep (main) aquifer would be contaminated due to clayey soils.

Priority Assessment/Backlog Reduction Category:

Low

Followup Recommendations:

Contact should be made with Borden Inc. (180 E. Broad St. Columbus, OH 43215) to determine what wastes were discharged in wash and cooling water. Based on this information, or if unable to obtain it, then shallow soil borings should be conducted in area of drainfield to determine if contamination exists.

USEPA SF



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<b>POTENTIAL HAZARDOUS WASTE SITE PRELIMINARY ASSESSMENT</b> <b>Part 1 - Site Information and Assessment</b>						<b>I. IDENTIFICATION</b>	
						01 State WA	02 Site Number D030785364
<b>II. SITE NAME AND LOCATION</b>							
01 Site Name (legal, common, or descriptive name of site) Borden Chemical-Ink Div.				02 Street, Route No., or Specific Location Identifier 6115 N.E. 63rd St.			
03 City Vancouver				04 State WA	05 Zip Code 98661	06 County Clark	07 County Code 011
09 Coordinates Latitude 454003.0 Longitude 1223627.0				08 Cong Dist 04			
				Section/Township/Range Sec. 8, T2N, R2E, WM			
10 Directions to Site (starting from nearest public road)							
<b>III. RESPONSIBLE PARTIES</b>							
01 Owner (if known) Grimm Enterprises				02 Street (business, mailing, residential) 6315 NE 63rd			
03 City Vancouver				04 State WA	05 Zip Code 98661	06 Telephone Number (206) 6955598	
07 Operator (if known and different from owner) Unknown				08 Street (business, mailing, residential)			
09 City				10 State	11 Zip Code	12 Telephone Number ( )	
13 Type of Ownership (check one) <input checked="" type="checkbox"/> A. Private <input type="checkbox"/> B. Federal <input type="checkbox"/> C. State <input type="checkbox"/> D. County <input type="checkbox"/> E. Municipal <input type="checkbox"/> F. Other: <input type="checkbox"/> G. Unknown							
14 Owner/Operator Notification on File (check all that apply) <input type="checkbox"/> A. RCRA 3001, Date Rec'd: / / <input type="checkbox"/> B. Uncontrolled Waste Site (CERCLA 103c), Date Rec'd: / / <input checked="" type="checkbox"/> C. None							
<b>IV. CHARACTERIZATION OF POTENTIAL HAZARD</b>							
01 On Site Inspection    By (check all that apply): <input checked="" type="checkbox"/> Yes, Date: 05 / 15 / 80 <input type="checkbox"/> A. EPA <input type="checkbox"/> B. EPA Contractor <input checked="" type="checkbox"/> C. State <input type="checkbox"/> D. Other Contractor <input type="checkbox"/> No <input type="checkbox"/> E. Local Health Official <input type="checkbox"/> F. Other: Contractors Name(s):							
02 Site Status (check one) <input type="checkbox"/> A. Active <input checked="" type="checkbox"/> B. Inactive <input type="checkbox"/> C. Unknown				03 Years of Operation beginning year    ending year Unk    1980 <input type="checkbox"/> Unknown			
04 Description of Substances Possibly Present, Known, or Alleged  Site was mixer of label ink. Closed in 1980. Unknown what substances used or disposed on site. Washwater and some cooling water discharged to septic system. Unknown volumes and substances contained in this effluent.							
05 Description of Potential Hazard to Environment and/or Population  Unknown. If hazardous materials contained in septic discharge, then there is potential for soil and G.W. contamination. Unknown whether there is any risk to population.							
<b>V. PRIORITY ASSESSMENT</b>							
01 Priority for Inspection (check one; if high or medium is checked, complete Part 2 and Part 3) <input type="checkbox"/> A. High (inspection required promptly) <input type="checkbox"/> B. Medium (inspection required) <input checked="" type="checkbox"/> C. Low (inspect on time available basis) <input type="checkbox"/> D. None (no further action needed complete current disposition form)							
<b>VI. INFORMATION AVAILABLE FROM</b>							
01 Contact Ned Therien		02 Of (agency/organization) WDOE			03 Telephone Number (206) 4596352		
04 Person Responsible for Assessment Barbara Morson		05 Agency	06 Organization JRB Associates	07 Telephone Number (206) 7477899	08 Date 11 / 20 / 84		







**POTENTIAL HAZARDOUS WASTE SITE  
PRELIMINARY ASSESSMENT**  
Part 3 - Description of Hazardous Conditions & Incidents

**I. IDENTIFICATION**

01 State WA	02 Site Number D030785364
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**II. HAZARDOUS CONDITIONS AND INCIDENTS**

01 (X) A. Groundwater Contamination      02 ( ) Observed (Date: )      (X) Potential      ( ) Alleged

03 Population Potentially Affected: >10,000      04 Narrative Description  
WDOE site inspection (5/15/80) says washwater and cooling water (unk. composition) were discharged to septic system. GW in perched aquifer at 5-20 ft. in locally impermeable clay and sandy clay. Main aquifer is at 200-250 ft in Pleistocene deltaic sand and gravel (Troutdale formation).

01 (X) B. Surface Water Contamination      02 ( ) Observed (Date: )      (X) Potential      ( ) Alleged

03 Population Potentially Affected: 0      04 Narrative Description  
Potential due to high water table. Swampy area 400 ft. NE & downgradient (0-6%). No use of SW for drinking. 5/15/80 WDOE site inspection report notes oily runoff from industrial park. Unknown if attributable to this facility.

01 (X) C. Contamination of Air      02 ( ) Observed (Date: )      ( ) Potential      ( ) Alleged

03 Population Potentially Affected: 0      04 Narrative Description  
None reported or suspected. Population of 1500 residents within one mile of site.

01 (X) D. Fire/Explosive Conditions      02 ( ) Observed (Date: )      ( ) Potential      ( ) Alleged

03 Population Potentially Affected: 0      04 Narrative Description  
No known certified fire/explosive threat.

01 (X) E. Direct Contact      02 ( ) Observed (Date: )      (X) Potential      ( ) Alleged

03 Population Potentially Affected: 1500      04 Narrative Description  
Facility no longer in operation. Unknown if industrial park in which it was located is paved or whether contaminated soils (if any) are accessible. Unknown whether septic drainfield area fenced.

01 (X) F. Contamination of Soil      02 ( ) Observed (Date: )      (X) Potential      ( ) Alleged

03 Area Potentially Affected (acres): <1      04 Narrative Description  
Facility discharged washwater with unknown contents to ground in unknown volumes over unknown period of time. Soils are clays & sandy clays of low permeability.

01 (X) G. Drinking Water Contamination      02 ( ) Observed (Date: )      (X) Potential      ( ) Alleged

03 Population Potentially Affected: >10,000      04 Narrative Description  
Facility discharged washwater to septic system. Nearest well (b)(6) is 1000 ft. SE, screened at 44-49 ft. 9 public systems serve 132,000 people within 3 miles. 227 domestic wells listed in WDOE well logs.

01 (X) H. Worker Exposure/Injury      02 ( ) Observed (Date: )      (X) Potential      ( ) Alleged

03 Workers Potentially Affected: 2      04 Narrative Description  
Only 2 workers known to be employed when site active. Unknown waste handling practices. Unknown risk to workers.

01 (X) I. Population Exposure/Injury      02 ( ) Observed (Date: )      ( ) Potential      ( ) Alleged

03 Population Potentially Affected: >10,000      04 Narrative Description  
Only route would be through drinking water contamination. Unknown what hazardous materials, if any, were discharged to septic system on site.



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Part 3 - Description of Hazardous Conditions & Incidents

I. IDENTIFICATION

01 State

02 Site Number

WA

D030785364

II. HAZARDOUS CONDITIONS AND INCIDENTS (continued)

01 (X) J. Damage to Flora

02 ( ) Observed (Date: )

( ) Potential

( ) Alleged

04 Narrative Description

None reported or suspected.

01 (X) K. Damage to Fauna

02 ( ) Observed (Date: )

( ) Potential

( ) Alleged

04 Narrative Description (include name[s] of species)

None reported or suspected.

01 (X) L. Contamination of Food Chain

02 ( ) Observed (Date: )

( ) Potential

( ) Alleged

04 Narrative Description

None reported or suspected.

01 (X) M. Unstable Containment of Wastes

02 ( ) Observed (Date: )

(X) Potential

( ) Alleged

(spills/runoff/standing liquids/leaking drums)

03 Population Potentially Affected:

04 Narrative Description

None known or reported. Unknown waste handling practices at site.

01 (X) N. Damage to Offsite Property

02 ( ) Observed (Date: )

( ) Potential

( ) Alleged

04 Narrative Description

None reported or suspected.

01 (X) O. Contamination of Sewers,  
Storm Drains, WWTPs

02 ( ) Observed (Date: )

( ) Potential

( ) Alleged

04 Narrative Description

No sewer in area. Site was served by septic system.

01 (X) P. Illegal/Unauthorized Dumping

02 ( ) Observed (Date: )

( ) Potential

( ) Alleged

04 Narrative Description

None reported or suspected.

05 Description of Any Other Known, Potential, or Alleged Hazards

None known.

III. TOTAL POPULATION POTENTIALLY AFFECTED: >10,000

IV. COMMENTS

EPA/ERRIS Files list bases, heavy metals, organics & inorganics on site & disposed of on site. There is no source material for this listing & no confirmation or denial in WDOE Files. Site identified in the infamous Eckhardt report; unknown whether this is source of EPA waste listing.

V. SOURCES OF INFORMATION (cite specific references: state files, reports, etc.)

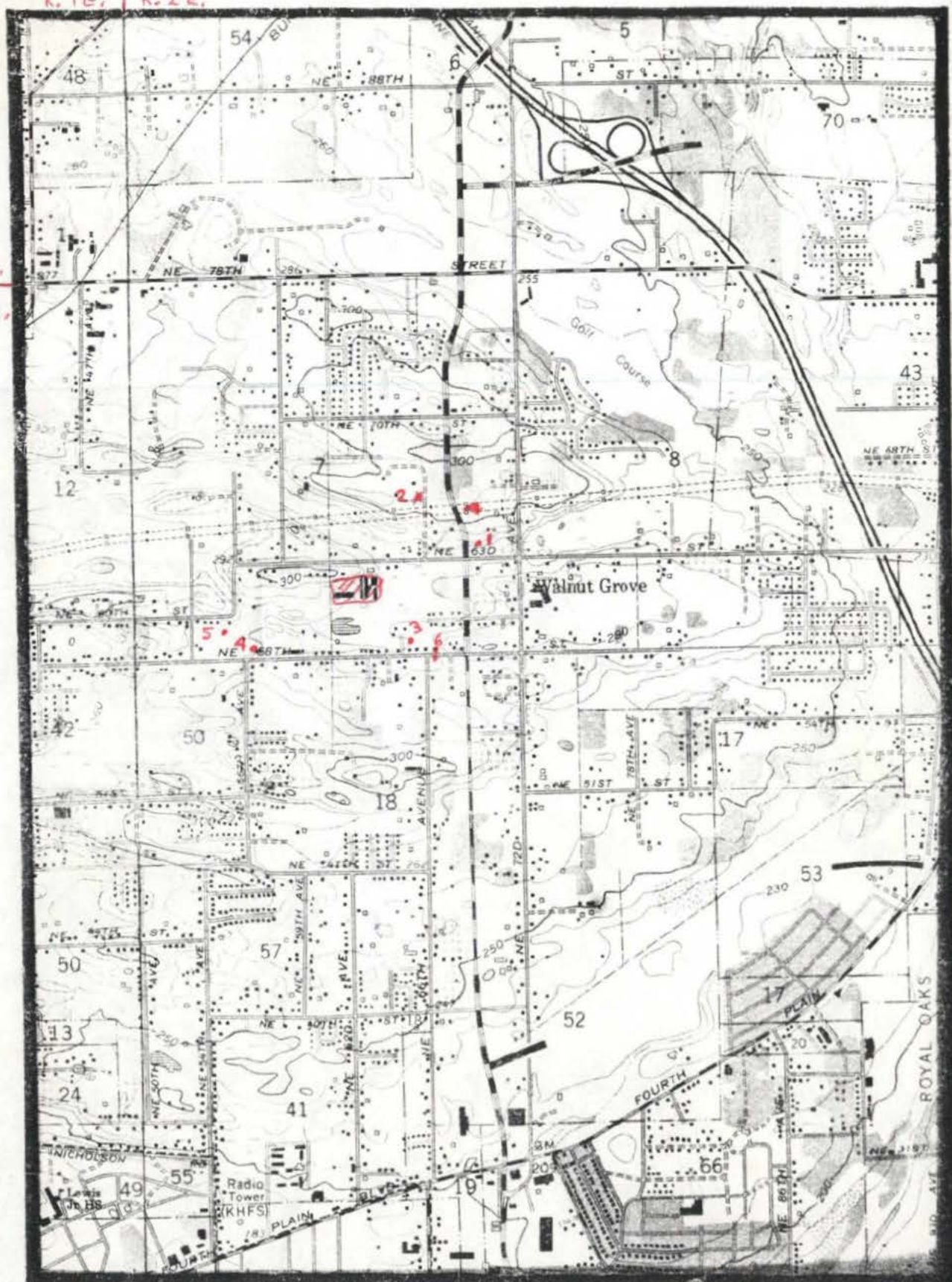
EPA/ERRIS File; USGS Orchards, WA Quad (1975); DSHS computer file; WDOE Files; 1980 Fed. Census; WDOE well logs; Water Supply Paper #1600 (1964)



# Orchards WA 7 5' Quadrangle (1960, PR 1960, 1975)

R. 1E, R. 2E.

T. 3N.  
T. 2N.



Well locations approximate:

1: (b) (6)

4: (b) (6)

2

5

3

6



Borden Chemical



ATTACHMENT B  
RCRA Section 3012 Preliminary Assessment Program  
Surface and Groundwater Hydrology

Prepared for JRB Associates by Geo/Resource Consultants

Site Name Borden Chemical County Clark

- Sources:
1. Orchards WA 7-5' Quadrangle (1961, PR 1990 & 1995)
  2. Additional WDOE well logs within 3-mile radius
  3. DSHS computer file (attached)
  4. USGS Water Supply Paper #1600, 1964
  - 5.
  - 6.
  - 7.
  8. Well logs used: (b) (6) } WOE-SW  
(b) (6) } (attached)
- logs on pages 129, 130, 133, 136 } USGS WSP #1600 (attached)
- GROUNDWATER

**Name/description of aquifer of concern**

Pleistocene deltaic sand and gravel, fine sand, silt. Locally clay layers near the surface form perched water tables.

At depths greater than about 200-250', upper member of Pliocene Troutdale fm. (cemented gravel, sand) is aquifer. Source 4, 8

Depth from the ground surface to the highest seasonal level of the saturated zone of the aquifer of concern

Site probably atop shallow perched aquifer (see Simmons, Hansen logs, several WSP #1600 logs, and swampy nature of area): depth  $\approx$  5-20'.

If not, depth  $\approx$  120-150'.

Source 8

**Soil type and permeability in unsaturated zone**

Varies - locally probably impermeable clay and sandy clay, generally sand, gravel, silt.

Source 8

**Use(s) of aquifer of concern within a 3-mile radius of the hazardous substance.**  
If available, indicate up-gradient or down-gradient

WDOE logs list 227 domestic use, 36 irrigation, 2 industrial, 10 municipal.

Also see attached from ref. [4]

Source 2, 4

**Location (Distance, Up/Down Gradient) of nearest well drawing from aquifer of concern or occupied building not served by a public water supply**

(b) (6),  $\approx$  1000' SE, down gradient

Source 8

Identified water-supply well(s) drawing from aquifer of concern within a 3-mile radius of the hazardous substance and population served by each well

Public: 9 systems supply 132,990 persons. See [3] for detail, esp. Clark Co, PUD and City of Vancouver.

Private:

WDOE logs list 227 domestic wells  $\times 3.8 =$  863 persons

Source 2,3

Land area (in acres) irrigated by supply well(s) drawing from aquifer of concern within a 3-mile radius of the hazardous substance

- WDOE logs list 36 wells used for irrigation

- In 1964, estimated total use of groundwater <sup>for irrigation</sup> in Clark County was 8,000 - 10,000 acre-feet/yr

Source 2,4

#### SURFACE WATER

Name/description, distance, and gradient (range c/o) to nearest downslope surface water if within three miles

Swamp  $\pm 400'$  NE; gradient  $\pm 0-6\%$

Source 1

Use(s) of surface water within 3-miles (free-flowing water) or 1-mile (static water) of the hazardous substance

recreation

Source 1

Location of water-supply intake(s) within 3-miles (free-flowing water) or 1-mile (static water) downstream of the hazardous substance and population served by each intake

none

Source 3

Land area (in acres) irrigated by supply well(s) within 3-miles (free-flowing water) or 1-mile (static water) downstream of the hazardous substance

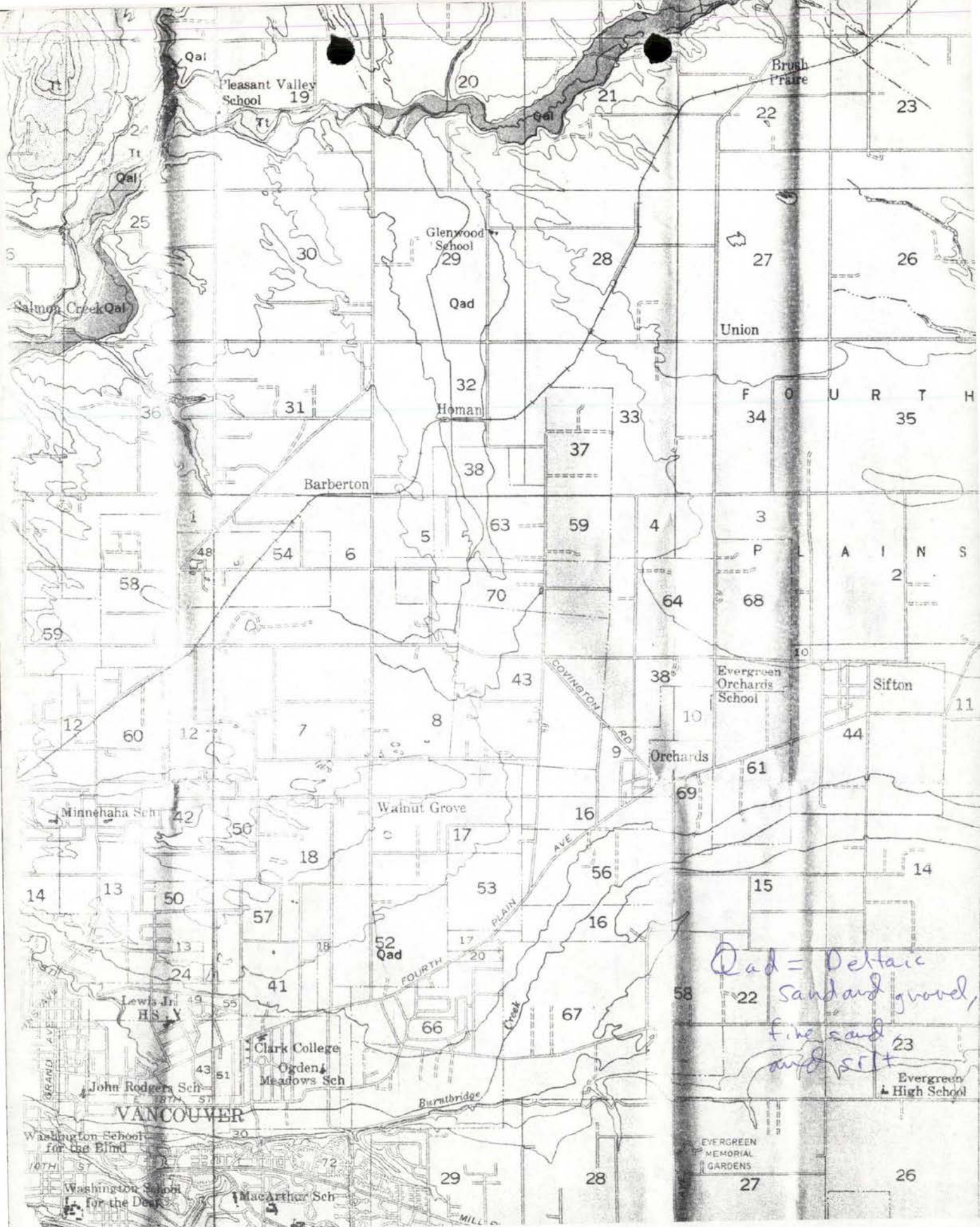
none

Source 3

Distance, in stream miles, to intakes cited in previous two items

Source







ATTACHMENT B

RCRA Section 3012 Preliminary Assessment Program  
Land Use and Demography

Prepared for JRB Associates by Shapiro and Associates

Site Name # 3 BORDEN CHEM., INK DIV. County CLATSOP N.E. 63rd St.  
Vancouver, CLATSOP CO.

Sources

1. VANCOUVER STREET MAP
2. USGS TOPO- ORCHARDS, 1975
3. BOTTORFF, USFWS, 1984
4. USFWS, 1980
5. 1980 CENSUS DATA
6. WAYNE TIMMONS, VANCOUVER PUBLIC WORKS, AUG 29, 1984
- 7.

Distance/direction to a 5-acre (minimum) coastal wetland, if 2 miles or less

NONE

Source 2

Distance/direction to a 5-acre (minimum) freshwater wetland, if 1 mile or less

1/2 MILE EAST TO SHALLOW MARSH

3/4 MILE SW TO SHALLOW MARSH

Source 2

Distance/direction to a critical habitat of an endangered species, if 1 mile or less

NONE

Source 3

Distance/direction to a National Wildlife Refuge, if 1 mile or less

NONE

Source 4

Resident and/or transient population within 1 mile of site

1,500

Source 5

Public or private facilities of particular concern (e.g., parks, schools) if within 1 mile or less

PARK - GOLF COURSE ; SCHOOLS - WALNUT GROVE ELEM SCHOOL

OTHER - ONE CHURCH

Source 2

Municipal sanitary sewer system and or storm sewers serving the facility?

SEPTIC SYSTEM

Source 6



Ultimate discharge point(s) of above sewer systems

Source \_\_\_\_\_

100-year flood potential at site

NONE

Source 6

RELEASE OF CONTAMINANTS VIA AIR ROUTE  
(Complete only if directed by JRB)

Population within various radii of site:

1/4 mile \_\_\_\_\_

1 mile \_\_\_\_\_

1/2 mile \_\_\_\_\_

4 miles \_\_\_\_\_

Source \_\_\_\_\_

Distance/direction to a commercial/industrial area, if 1 mile or less

Source \_\_\_\_\_

Distance/direction to a national or state park, forest or wildlife refuge if 2 miles or less

Source \_\_\_\_\_

Distance/direction to a residential area if 2 miles or less

Source \_\_\_\_\_

Distance/direction to agricultural land in production within past five years, if 1 mile or less

Source \_\_\_\_\_

Distance/direction to prime agricultural land in production within past five years, if 2 miles or less

Source \_\_\_\_\_

Distance/direction of a historic or landmark site (National Register of Historic Places and National Natural Landmarks) if within 1 mile or less

Source \_\_\_\_\_